Introducing ClaireRT™

Real-Time Clarity for Confident Imaging

In ultra high throughput screening, time lost is discovery delayed; yet confirming assay quality still means "spot-checking a few wells" and learning days later that images are flawed; wasting reagents, stalling momentum, extending timelines. **ClaireRT eliminates the wait.**

Coupled with **Araceli Endeavor®**, the fastest high content imaging platform on the planet, ClaireRT scrutinizes every image as it's captured, serving up live image quality metrics in real time.

At the first sign of trouble, it can:

- Stop imaging a problematic plate
- Alert the lab of emerging issues
- Enable filtering of compromised wells from downstream analysis

With real-time heatmaps and automated alerts, scientists can ensure quality data **while the experiment runs**, iterate the same day, and course-correct before errors multiply.

No invisible errors. No delayed discoveries. No waiting weeks for what can be fixed today.

ClaireRT turns data quality from hindsight into foresight, so your lab doesn't just keep up with high throughput science, it sets the pace.

Reduce Waste

Prevent failed runs before they happen —no more lost plates, reagents, or lab time due to avoidable errors.

Save Costs

Avoid expensive re-plating, using more costly reagents, time to grow new cells, and unnecessary downstream analysis.

Boost Efficiency

Increase screening throughput by iterating faster, if needed, and ensuring quality data for in-depth analysis.

Save Time

Real-time feedback allows scientists to adjust and re-image during the experiment—not days later.

Improve Accuracy

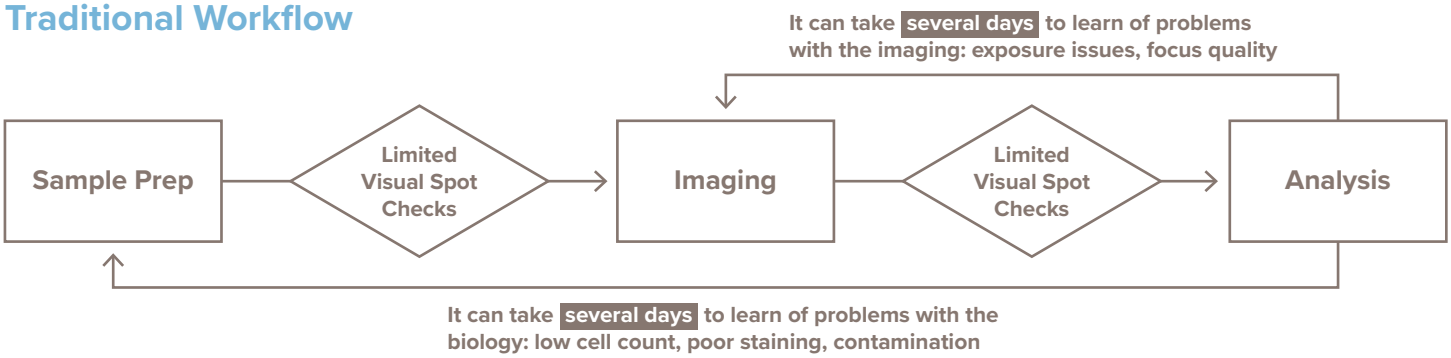
Capture high-quality data from the start to drive more reliable and confident analysis.

Efficient Use of Data Storage

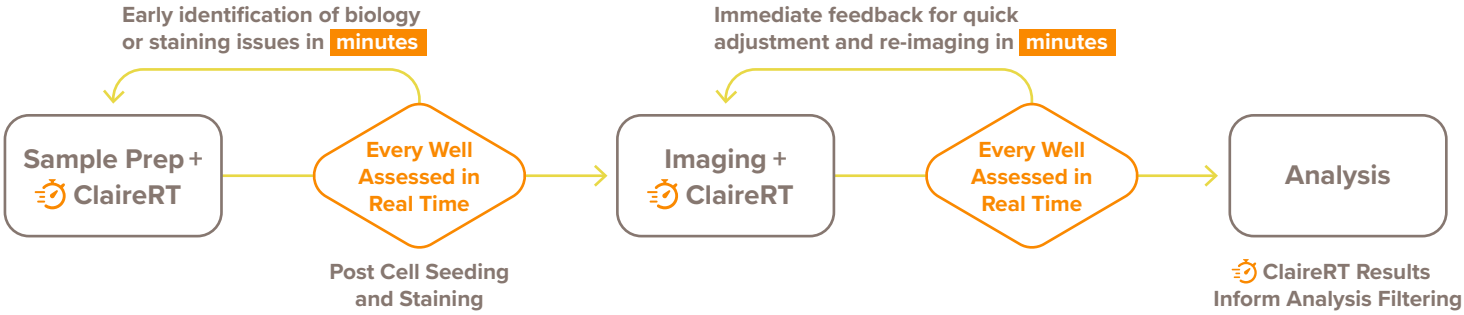
Filter out poor-quality images early to reduce storage burden and keep datasets clean.

Learn more about the Endeavor portfolio »

Traditional Workflow



Endeavor Ultra and ClaireRT Workflow



ClaireRT in Action

Cell Count
Ensure valid sample sizes for your experiment and detect issues with liquid handling systems (e.g., pipette strikes, clogged tips, etc.).

Signal to Background Ratio (SBR)
This metric is critical to ensure that downstream analysis can accurately extract features using classical methods or AI segmentation.

Saturated Pixels
This metric can be used to determine if an image can be used for analysis or if it needs to be re-imaged with different exposure settings.

Focus Quality
Identify issues with warped plates, dirty plate bottoms, and empty wells that may negatively impact analysis results.